

Claims

[c1] What is claimed is:

1. An ejecting apparatus for an electrical device for ejecting a data card and releasing a first object from the electrical device, the ejecting apparatus comprising:
a fastening latch movably connected to the ejecting apparatus, the fastening latch comprising:
a retaining member adapted for insertion into a corresponding groove on the first object for engaging with the first object; and
a releasing knob monolithically formed with the retaining member, and adapted to be activated to move the fastening latch in a first direction with respect to the ejecting apparatus for releasing the retaining member from the groove of the first object and enabling the first object to be removed from the electrical device, wherein when the retaining member is engaged with the groove of the first object, a front edge of the retaining member is located at a first position, and when the retaining member is moved in the first direction to release the retaining member from the groove of the first object, the front edge of the retaining member is located at a second position;

a pivoting shaft for pivotally connecting the ejecting apparatus to the electrical device; and at least one ejector leg for pushing the data card from the electrical device to eject the data card as the ejecting apparatus is rotated from the electrical device about the pivoting shaft.

- [c2] 2. The ejecting apparatus of claim 1 wherein the electrical device comprises at least one protruding member for restricting rotation of the ejector from the electrical device about the pivoting shaft when the front edge of the retaining member is in the first or second positions.
- [c3] 3. The ejecting apparatus of claim 2 wherein after the first object has been removed from the electrical device, the front edge of the retaining member is capable of moving to a third position, wherein when the front edge of the retaining member is at the third position, the protruding member does not restrict rotation of the ejector from the electrical device about the pivoting shaft.
- [c4] 4. The ejecting apparatus of claim 2 further comprising an elastic device for pushing the retaining member in a second direction, the second direction being opposite to the first direction.
- [c5] 5. The ejecting apparatus of claim 4 wherein after the

first object has been removed from the electrical device, the elastic device pushes the front edge of the retaining member to a third position, wherein when the front edge of the retaining member is at the third position, the protruding member does not restrict rotation of the ejector from the electrical device about the pivoting shaft.

- [c6] 6.The ejecting apparatus of claim 4 wherein the elastic device is a helical spring.
- [c7] 7.The ejecting apparatus of claim 1 wherein the fastening latch and the pivoting shaft are formed on opposite ends of the ejecting apparatus.
- [c8] 8.The ejecting apparatus of claim 1 wherein as the ejector is rotated from the electrical device about the pivoting shaft, the ejector leg pushes the data card in a second direction to eject the data card, the second direction being opposite to the first direction.
- [c9] 9.The ejecting apparatus of claim 1 wherein the first object is a battery used to provide power to the electrical device.
- [c10] 10.The ejecting apparatus of claim 1 wherein the first object is a battery cover of the electrical device.